

### Claims

1. A valve seal intended for a fluid product aerosol dispenser, characterised in that the said seal includes an elastomer based upon ethylene propylene (EP) and/or ethylene propylene diene monomer (EPDM), and a mineral filler based upon quartz ( $\text{SiO}_2$ ) and Kaolinite ( $\text{Al}_4[(\text{OH})_8\text{Si}_4\text{O}_{10}]$ ).

2. A seal according to claim 1, in which the mineralogical composition of the mineral filler includes between 65 % and 95 %, preferably 80 %, of quartz, and between 5 % and 35 %, preferably about 20 %, of Kaolinite.

3. A seal according to either of the preceding claims, in which the chemical composition of the mineral filler includes between 3% and 15%, preferably about 8 %, of  $\text{Al}_2\text{O}_3$ , and between 75 % and 95 %, preferably about 87 %, of  $\text{SiO}_2$ .

4. A seal according to any of the preceding claims, in which the mineral filler has a pH greater than 6, preferably between about 7 and 8.

5. A seal according to any of the preceding claims, in which the mineral filler has an average particle size of between 1.5 and 4 microns, preferably about 2.2 microns.

6. A seal according to any of the preceding claims, in which the said seal, before its assembly into a fluid product aerosol dispenser, is subjected to a surface chlorination treatment.

7. A seal according to claim 6, in which the said seal is immersed in a solution containing water, hydrochloric acid and bleach.

8. A measuring-out valve for a fluid product aerosol dispenser, characterised in that it includes at least a valve

seal according to any of claims 1 to 7.

9. A dispenser for dispensing a fluid product, that includes a reservoir containing a fluid product and a propellant gas, and a valve, preferably a measuring-out valve, mounted on the said reservoir, characterised in that the said valve includes at least a valve seal according to any of claims 1 to 7.

10. A dispenser according to claim 9, in which the said valve includes a valve element sliding in a valve body with the interposition of a valve seal, where the said valve seal is made according to any of claims 1 to 7.

11. A dispenser according to claim 9 or 10, in which the said propellant gas includes HFC-134a gas and/or HFC-227 gas.

12. A dispenser according to any of claims 9 to 11, in which the reservoir also contains alcohol, and ethanol in particular.

13. A manufacturing process for a valve seal intended for a fluid product aerosol dispenser, characterised in that the process includes the following stages:

- 25       - creation of a seal that includes an elastomer based upon ethylene propylene (EP) and/or ethylene propylene diene monomer (EPDM), and a mineral filler based upon quartz ( $\text{SiO}_2$ ) and kaolinite ( $\text{Al}_4[(\text{OH})_8\text{Si}_4\text{O}_{10}]$ ) ;
- 30       - submission of this seal to a surface chlorination treatment.

14. A process according to claim 13, in which the said surface chlorination treatment includes immersing the seal in a solution containing water, hydrochloric acid and bleach.